

**ABSTRACT**

The present invention relates to a power supply circuit comprising at least one transformer which is connected to a primary side circuit and to a secondary side circuit. The present invention further relates to a method for producing such a power supply circuit. To provide an improved power supply circuit which has a reduced size and increased power density and offers more flexibility in the formation of the safety distances between primary side and secondary side, the primary side circuit and the secondary side circuit are each mounted on at least one separate circuit carrier, said circuit carriers being mechanically and electrically coupled to one another and arranged in at least two different planes. According to advantageous embodiments, said circuit carriers may be arranged in planes that are either parallel with or transverse to one another.

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